



July 2009

**DEPARTMENT OF EDUCATION**  
2008–2009 School Year Reports

Dear School Board Members and School Personnel:

The Maine Educational Assessment (MEA) is the State's measure of student progress in achieving the State accountability standards of Maine's *Learning Results*. The *Learning Results* contain goals for what all students should know and be able to do at certain times in their school careers and include the accountability standards that are assessed for each grade. The MEA is administered to students in all grades 3 through 8 to meet state assessment requirements and the requirements of the federal *No Child Left Behind* Act.

The 2008-2009 MEA Summary Reports contain the results of student achievement in reading and mathematics at all grades and science at grades 5 and 8 and disaggregated by student and school characteristics. This report, together with MEA individual student and subject-specific class analysis reports, provides support for use in program evaluation and planning.

MEA results reflect scores based on test questions that are taken in common by the approximately 15,000 students in each grade level. Students' scores in each content area are based on answers to a combination of multiple-choice questions and questions that require students to construct an answer. More information about the MEA is available at [www.maine.gov/education/mea/index.htm](http://www.maine.gov/education/mea/index.htm).

I look forward to working with you in support of our continued efforts to improve the quality and effectiveness of the instructional opportunities designed to help all students achieve the high standards of the *Learning Results* and demonstrate that achievement through performance on the assessments.

Sincerely,

Susan A. Gendron  
Commissioner of Education



## School Report Grade 4

Test Date: March 2009  
Code: 12261592  
SAU: MSAD 32  
School: Ashland Central School

### Contents of the Report

The report is divided into two main sections including a section describing the students tested and a separate section for the results in each content area.

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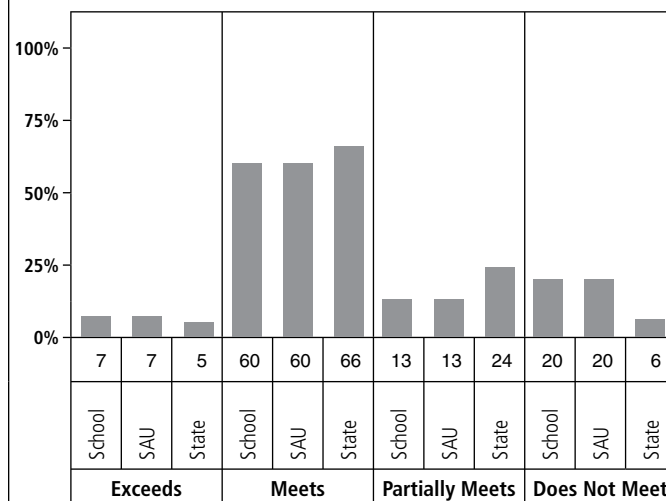
# SUMMARY OF SCORES

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

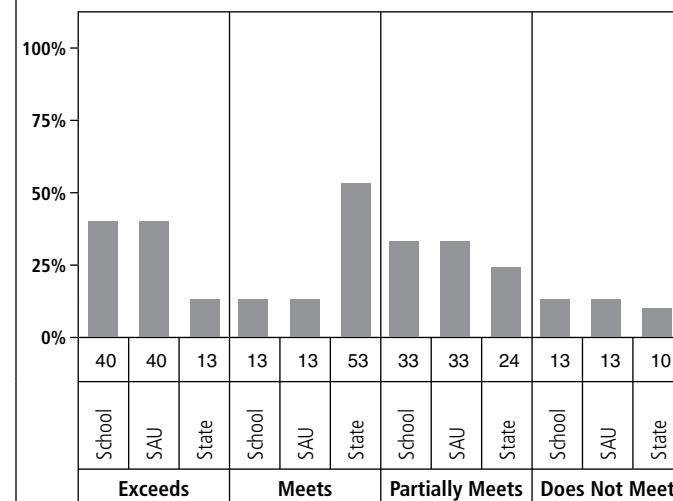
## Summary of School, SAU, and State Scores

Year	Average Scaled Score		
	School	SAU	State
<b>ELA – Reading</b>			
2006–2007	448	448	445
2007–2008	442	442	445
<b>2008–2009</b>	<b>446</b>	<b>446</b>	<b>446</b>
Cum. Avg.*	445	446	445
<b>Mathematics</b>			
2006–2007	448	448	445
2007–2008	441	441	445
<b>2008–2009</b>	<b>448</b>	<b>448</b>	<b>446</b>
Cum. Avg.*	445	446	445

## ELA – READING



## MATHEMATICS



\*Cumulative averages are weighted, i.e., the scaled scores are averaged proportionally based on the numbers of students in each year.

# SUMMARY OF STUDENT PARTICIPATION

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

CATEGORY OF PARTICIPATION	Enrollment <sup>1</sup> during testing window						CONTENT AREA PARTICIPATION <sup>2</sup>																	
							ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Total number of students</b>	15	100	15	100	13805	100	15	100	15	100	13737	100	15	100	15	100	13746	100						
<b>Ethnicity</b> African American/Black	0	0	0	0	419	3	0	0	0	0	410	98	0	0	0	0	416	99						
American Indian or Native Alaskan	0	0	0	0	125	1	0	0	0	0	124	99	0	0	0	0	124	99						
Asian or Pacific Islander	1	7	1	7	229	2	1	100	1	100	223	97	1	100	1	100	227	99						
Hispanic	0	0	0	0	149	1	0	0	0	0	148	99	0	0	0	0	148	99						
Caucasian/White	14	93	14	93	12883	93	14	100	14	100	12832	100	14	100	14	100	12831	100						
Not Reported	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
<b>Identified disability</b>	5	33	5	33	2383	17	5	100	5	100	2366	100	5	100	5	100	2364	99						
<b>Current LEP</b>	1	7	1	7	377	3	1	100	1	100	362	96	1	100	1	100	373	99						
<b>Economically disadvantaged</b>	10	67	10	67	5819	42	10	100	10	100	5782	99	10	100	10	100	5788	100						
<b>Migrant</b>	0	0	0	0	6	0	0	0	0	0	6	100	0	0	0	0	6	100						

MODE OF PARTICIPATION <sup>3</sup>	ELA-Reading						Mathematics											
	School		SAU		State		School		SAU		State		School		SAU		State	
	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%	n	%
<b>Participation without accommodations</b>	15	100	15	100	10439	76	15	100	15	100	10471	76						
Identified disability (PET/IEP)	5	33	5	33	351	3	5	33	5	33	367	4						
LEP	1	7	1	7	171	2	1	7	1	7	172	2						
504 plan	0	0	0	0	92	1	0	0	0	0	90	1						
<b>Participation with accommodations</b>	0	0	0	0	3142	23	0	0	0	0	3138	23						
Identified disability (PET/IEP)	0	0	0	0	1860	59	0	0	0	0	1860	59						
LEP	0	0	0	0	186	6	0	0	0	0	198	6						
504 plan	0	0	0	0	71	2	0	0	0	0	73	2						
Other	0	0	0	0	1060	34	0	0	0	0	1043	33						
<b>Participation through alternate assessment (PAAP)</b>	0	0	0	0	155	1	0	0	0	0	137	1						
Identified disability (PET/IEP)	0	0	0	0	155	100	0	0	0	0	137	100						
LEP	0	0	0	0	4	3	0	0	0	0	3	2						
504 plan	0	0	0	0	0	0	0	0	0	0	0	0						
<b>Approved non-participation in reading – 1st year LEP</b>	0	0	0	0	1	0												
<b>Approved non-participation – special consideration</b>	0	0	0	0	11	0	0	0	0	0	11	0						
<b>Non-participation – other</b>	0	0	0	0	57	0	0	0	0	0	48	0						

<sup>1</sup>Percents are the percentage of students enrolled in each participation category.

<sup>2</sup>Percents are the percentage of students, including those who participated through alternate assessment (PAAP), who participated in the content area.

<sup>3</sup>Percents are the percentage of students in each content area by mode.

# ELA–READING RESULTS

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing in-depth inferences, analyzing texts for subtle clues, synthesizing information across texts, and using his/her knowledge of text features and literary devices to make deeper connections within or across texts to increase comprehension. (Scaled Score 462–480)	2006-2007	0	0	0	0	507	4
	2007-2008	1	4	1	5	559	4
	<b>2008-2009</b>	<b>1</b>	<b>7</b>	<b>1</b>	<b>7</b>	<b>672</b>	<b>5</b>
	Cum. Total*	2	3	2	3	1738	4
<b>Meets the Standards</b> – The student’s work demonstrates the ability to read and interpret literary and informational texts appropriate for the grade level by drawing inferences, summarizing main ideas and providing supporting details, connecting ideas within and across texts, and using his/her knowledge of text features and literary devices to increase comprehension. (Scaled Score 442–460)	2006-2007	25	86	25	86	8749	63
	2007-2008	11	46	10	45	8308	59
	<b>2008-2009</b>	<b>9</b>	<b>60</b>	<b>9</b>	<b>60</b>	<b>8917</b>	<b>66</b>
	Cum. Total*	45	66	44	67	25974	63
<b>Partially Meets the Standards</b> – The student’s work demonstrates an inconsistent ability to read and interpret literary and informational texts appropriate for the grade level. The student’s ability to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, and use his/her knowledge of text features and literary devices varies depending on the texts. (Scaled Score 432–440)	2006-2007	4	14	4	14	3467	25
	2007-2008	9	38	8	36	3922	28
	<b>2008-2009</b>	<b>2</b>	<b>13</b>	<b>2</b>	<b>13</b>	<b>3241</b>	<b>24</b>
	Cum. Total*	15	22	14	21	10630	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates a limited ability to read and interpret literary and informational texts appropriate for the grade level. The student’s responses are often vague or incorrect leaving the impression that the student found it difficult to draw inferences, summarize main ideas and provide supporting details, connect ideas within and across texts, or use his/her knowledge of text features and literary devices to support comprehension. (Scaled Score 400–430)	2006-2007	0	0	0	0	1165	8
	2007-2008	3	13	3	14	1264	9
	<b>2008-2009</b>	<b>3</b>	<b>20</b>	<b>3</b>	<b>20</b>	<b>751</b>	<b>6</b>
	Cum. Total*	6	9	6	9	3180	8

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
Reading Total Points	48	100	30.9	64.4	30.9	64.4	31.6	65.8
A1/A2 Interconnected Elements/Literary Text	24	50	16.0	66.7	16.0	66.7	16.1	67.1
A1/A3 Interconnected Elements/Informational Text	24	50	14.9	62.1	14.9	62.1	15.5	64.6

The MEA assesses students’ reading skills based on questions related to two types of reading passages: literary and informational. Reading passages include both long and short texts, selected from developmentally appropriate works. MEA reading items measure the English Language Arts accountability content standard A, Reading, contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at:  
<http://www.maine.gov/education/lres/pei/index.html>.

# ELA-READING RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
All Students	15	1	7	9	60	2	13	3	20	446	15	7	60	13	20	446	13581	5	66	24	6	446
Ethnicity																						
African American/Black	0										0						408	2	51	31	16	441
American Indian or Native Alaskan	0										0						122	1	59	34	6	444
Asian or Pacific Islander	1										1						221	9	62	22	7	447
Hispanic	0										0						146	1	64	28	6	445
Caucasian/White	14	1	7	8	57	2	14	3	21	445	14	7	57	14	21	445	12684	5	66	24	5	446
Not Reported	0										0						0					
Identified disability																						
Yes	5	0	0	1	20	1	20	3	60	435	5	0	20	20	60	435	2211	1	39	42	18	439
No	10	1	10	8	80	1	10	0	0	451	10	10	80	10	0	451	11370	6	71	20	3	448
Current LEP																						
Yes	1										1						357	3	42	36	19	440
No	14	1	7	8	57	2	14	3	21	445	14	7	57	14	21	445	13224	5	66	24	5	446
Economically disadvantaged																						
Yes	10	1	10	5	50	2	20	2	20	446	10	10	50	20	20	446	5677	2	57	32	9	443
No	5	0	0	4	80	0	0	1	20	445	5	0	80	0	20	445	7904	7	72	18	3	448
Migrant																						
Yes	0										0						6	0	67	33	0	445
No	15	1	7	9	60	2	13	3	20	446	15	7	60	13	20	446	13575	5	66	24	6	446
Gender																						
Female	7	1	14	5	71	1	14	0	0	451	7	14	71	14	0	451	6580	7	68	21	5	448
Male	8	0	0	4	50	1	13	3	38	441	8	0	50	13	38	441	7001	3	64	27	6	445
Not Reported	0										0						0					
Title 1A targeted program																						
Yes	6	0	0	4	67	1	17	1	17	444	6	0	67	17	17	444	2127	1	48	42	9	441
No	9	1	11	5	56	1	11	2	22	447	9	11	56	11	22	447	11454	6	69	20	5	447
Gifted/talented program																						
Yes	0										0						324	27	72	1	0	458
No	15	1	7	9	60	2	13	3	20	446	15	7	60	13	20	446	13257	4	65	24	6	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number

# ELA-READING RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	7	0	0	0	0	0	0	1	100	430	7	0	0	0	100	430	4	2	45	36	17	441
B. less than one hour	80	1	8	8	67	2	17	1	8	449	80	8	67	17	8	449	75	5	67	23	4	447
C. one to two hours	13	0	0	1	50	0	0	1	50	437	13	0	50	0	50	437	18	5	67	23	5	447
D. more than two hours	0										0						2	3	45	36	16	442
<b>Which of the following best describes how you rate yourself as a student in reading?</b>																						
A. very good	47	1	14	4	57	2	29	0	0	450	47	14	57	29	0	450	40	8	71	17	4	449
B. good	47	0	0	5	71	0	0	2	29	444	47	0	71	0	29	444	45	3	66	25	5	446
C. fair	7	0	0	0	0	0	0	1	100	430	7	0	0	0	100	430	13	1	54	35	10	442
D. poor	0										0						2	0	39	42	19	439
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about reading?</b>																						
A. The questions on the test match what I have learned in reading class.	47	1	14	6	86	0	0	0	0	454	47	14	86	0	0	454	31	8	69	19	4	448
B. They match some of what I have learned.	33	0	0	3	60	1	20	1	20	443	33	0	60	20	20	443	53	4	68	23	4	447
C. They match just a little of what I have learned.	20	0	0	0	0	1	33	2	67	431	20	0	0	33	67	431	11	2	54	35	10	442
D. There is no match.	0										0						4	1	39	40	20	439
<b>How hard was the reading part of this test?</b>																						
A. harder than my regular schoolwork	20	0	0	1	33	1	33	1	33	439	20	0	33	33	33	439	19	4	54	31	11	443
B. about the same as my regular schoolwork	60	1	11	7	78	0	0	1	11	449	60	11	78	0	11	449	63	6	69	22	4	447
C. easier than my regular schoolwork	20	0	0	1	33	1	33	1	33	443	20	0	33	33	33	443	18	4	68	23	5	446
<b>How hard were the reading passages on this test?</b>																						
A. Most of the passages were harder than what I normally read.	14	0	0	0	0	0	0	2	100	429	14	0	0	0	100	429	13	0	39	43	17	439
B. Most of the passages were about the same as what I normally read.	43	1	17	3	50	1	17	1	17	446	43	17	50	17	17	446	52	4	69	24	4	446
C. Most of the passages were easier than what I normally read.	43	0	0	5	83	1	17	0	0	450	43	0	83	17	0	450	35	9	72	16	3	449
<b>How much time do you spend reading at home each day?</b>																						
A. more than one hour	13	0	0	1	50	1	50	0	0	442	13	0	50	50	0	442	21	8	68	19	5	448
B. 20 minutes to an hour	33	0	0	4	80	1	20	0	0	450	33	0	80	20	0	450	55	5	70	21	4	447
C. less than 20 minutes	33	0	0	2	40	0	0	3	60	436	33	0	40	0	60	436	13	2	57	33	8	443
D. I rarely read at home.	20	1	33	2	67	0	0	0	0	458	20	33	67	0	0	458	11	1	51	37	11	442
<b>How many pages do you read in school and to complete homework assignments?</b>																						
A. five or fewer pages	53	0	0	3	38	2	25	3	38	441	53	0	38	25	38	441	25	3	59	30	8	444
B. six to ten pages	40	1	17	5	83	0	0	0	0	452	40	17	83	0	0	452	24	4	64	26	6	445
C. eleven or more pages	7	0	0	1	100	0	0	0	0	448	7	0	100	0	0	448	51	7	70	20	4	448
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

# MATHEMATICS RESULTS

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

ACHIEVEMENT LEVEL DEFINITIONS		STUDENTS AT EACH ACHIEVEMENT LEVEL					
		School		SAU		State	
		N	%	N	%	N	%
<b>Exceeds the Standards</b> – The student’s work demonstrates in-depth understanding of essential concepts in mathematics, including the ability to make multiple connections among central ideas. The student’s responses demonstrate the ability to synthesize information; analyze and solve difficult problems, including developing and implementing strategies, efficiently and accurately performing procedures, and recording and justifying solutions; and explain complex concepts. (Scaled Score 462–480)	2006-2007	2	7	2	7	1054	8
	2007-2008	2	8	2	9	1321	9
	<b>2008-2009</b>	<b>6</b>	<b>40</b>	<b>6</b>	<b>40</b>	<b>1712</b>	<b>13</b>
	Cum. Total*	10	15	10	15	4087	10
<b>Meets the Standards</b> – The student’s work demonstrates a general understanding of essential concepts in mathematics, including the ability to make connections among central ideas. The student’s responses demonstrate the ability to analyze and solve problems including developing and implementing strategies, to perform procedures, and to record and explain solutions and concepts. The student’s work may contain minor errors. (Scaled Score 442–460)	2006-2007	18	64	18	64	7394	53
	2007-2008	7	29	7	32	7079	51
	<b>2008-2009</b>	<b>2</b>	<b>13</b>	<b>2</b>	<b>13</b>	<b>7270</b>	<b>53</b>
	Cum. Total*	27	40	27	42	21743	52
<b>Partially Meets the Standards</b> – The student’s work demonstrates incomplete understanding of essential concepts in mathematics and inconsistent connections among central ideas. The student’s responses demonstrate some ability to analyze and solve problems, and explain concepts. Problem solving strategies may be flawed, procedures performed inaccurately, methods not recorded and/or problems not completed. (Scaled Score 430–440)	2006-2007	8	29	8	29	3729	27
	2007-2008	11	46	9	41	3955	28
	<b>2008-2009</b>	<b>5</b>	<b>33</b>	<b>5</b>	<b>33</b>	<b>3219</b>	<b>24</b>
	Cum. Total*	24	36	22	34	10903	26
<b>Does Not Meet the Standards</b> – The student’s work demonstrates limited understanding of essential concepts in mathematics and infrequent or inaccurate connections among central ideas. The student’s responses demonstrate minimal ability to solve problems and explain concepts. Problem solving strategies and procedures are often flawed or inappropriate and there may be many omissions. (Scaled Score 400–428)	2006-2007	0	0	0	0	1735	12
	2007-2008	4	17	4	18	1642	12
	<b>2008-2009</b>	<b>2</b>	<b>13</b>	<b>2</b>	<b>13</b>	<b>1408</b>	<b>10</b>
	Cum. Total*	6	9	6	9	4785	12

Learning Results Content Standards	Number of Points Possible		Average Points Attained (Number and Percent)					
			School		SAU		State	
	N	%	N	%	N	%	N	%
<b>Mathematics Total Points</b>	<b>48</b>	<b>100</b>	31.3	65.2	31.3	65.2	30.8	64.2
<b>A. Number</b>	<b>20</b>	<b>42</b>	13.9	69.5	13.9	69.5	12.5	62.5
<b>B. Data</b>	<b>8</b>	<b>17</b>	5.6	70.0	5.6	70.0	5.3	66.3
<b>C. Geometry</b>	<b>10</b>	<b>21</b>	5.7	57.0	5.7	57.0	6.5	65.0
<b>D. Algebra</b>	<b>10</b>	<b>21</b>	6.1	61.0	6.1	61.0	6.5	65.0

The MEA assesses students’ mathematics knowledge based on questions that measure the mathematics accountability content standards contained in Maine’s 2007 *Learning Results: Parameters for Essential Instruction*, which can be found at: <http://www.maine.gov/education/lres/pei/index.html>.

Content Standard A, Number, includes Whole Number, Rational Number, and Real Number.

Content Standard B, Data, includes Measurement and Approximation, Data Analysis, and Probability.

Content Standard C, Geometry, includes Geometric Figures, Geometric Measurement, and Transformations.

Content Standard D, Algebra, includes Symbols and Expressions, Equations and Inequalities, and Functions and Relations.

# MATHEMATICS RESULTS

## (CONTINUED)

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

REPORTING CATEGORIES	School										SAU						State					
	Tested	E		M		P		D		Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score	Tested	E	M	P	D	Mean Scaled Score
	N	N	%	N	%	N	%	N	%		N	%	%	%	%		N	%	%	%	%	
<b>All Students</b>	15	6	40	2	13	5	33	2	13	448	15	40	13	33	13	448	13609	13	53	24	10	446
<b>Ethnicity</b>																						
African American/Black	0										0						415	5	41	30	24	439
American Indian or Native Alaskan	0										0						123	12	46	28	13	445
Asian or Pacific Islander	1										1						225	22	45	20	12	448
Hispanic	0										0						147	3	58	30	10	443
Caucasian/White	14	5	36	2	14	5	36	2	14	446	14	36	14	36	14	446	12699	13	54	23	10	447
Not Reported	0										0						0					
<b>Identified disability</b>																						
Yes	5	1	20	0	0	2	40	2	40	436	5	20	0	40	40	436	2227	3	34	33	30	437
No	10	5	50	2	20	3	30	0	0	454	10	50	20	30	0	454	11382	14	57	22	7	448
<b>Current LEP</b>																						
Yes	1										1						370	7	35	31	27	439
No	14	5	36	2	14	5	36	2	14	446	14	36	14	36	14	446	13239	13	54	23	10	447
<b>Economically disadvantaged</b>																						
Yes	10	5	50	0	0	3	30	2	20	448	10	50	0	30	20	448	5704	6	48	30	16	442
No	5	1	20	2	40	2	40	0	0	448	5	20	40	40	0	448	7905	18	57	19	6	450
<b>Migrant</b>																						
Yes	0										0						6	17	33	50	0	448
No	15	6	40	2	13	5	33	2	13	448	15	40	13	33	13	448	13603	13	53	24	10	446
<b>Gender</b>																						
Female	7	3	43	2	29	1	14	1	14	452	7	43	29	14	14	452	6591	12	54	24	11	446
Male	8	3	38	0	0	4	50	1	13	444	8	38	0	50	13	444	7018	13	53	24	10	447
Not Reported	0										0						0					
<b>Title 1A targeted program</b>																						
Yes	6	1	17	1	17	4	67	0	0	442	6	17	17	67	0	442	2131	3	41	38	18	440
No	9	5	56	1	11	1	11	2	22	452	9	56	11	11	22	452	11478	14	56	21	9	448
<b>Gifted/talented program</b>																						
Yes	0										0						324	64	34	2	0	464
No	15	6	40	2	13	5	33	2	13	448	15	40	13	33	13	448	13285	11	54	24	11	446

E = Exceeds the Standards M = Meets the Standards P = Partially Meets the Standards D = Does Not Meet the Standards

NOTE: Some achievement level results have been left blank because fewer than five (5) students were tested. N = Number



# MATHEMATICS RESULTS

## (QUESTIONNAIRE ITEMS)

Test Date: March 2009  
Grade: 4  
SAU: MSAD 32  
School: Ashland Central School

QUESTIONNAIRE ITEMS	School										SAU						State					
	Students in Each Category	E		M		P		D		Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score	Students in Each Category	E	M	P	D	Mean Scaled Score
	%	N	%	N	%	N	%	N	%		%	%	%	%	%		%	%	%	%	%	
<b>How much homework do you do on school nights?</b>																						
A. none	7	0	0	0	0	0	0	1	100	412	7	0	0	0	100	412	4	4	37	30	28	438
B. less than one hour	80	6	50	2	17	3	25	1	8	453	80	50	17	25	8	453	75	13	55	23	9	447
C. one to two hours	13	0	0	0	0	2	100	0	0	434	13	0	0	100	0	434	18	12	54	24	10	446
D. more than two hours	0										0						2	7	39	29	25	440
<b>Which of the following best describes how you rate yourself as a student in mathematics?</b>																						
A. very good	33	2	40	1	20	1	20	1	20	449	33	40	20	20	20	449	37	22	56	16	7	451
B. good	60	4	44	1	11	4	44	0	0	450	60	44	11	44	0	450	45	9	56	25	9	446
C. fair	7	0	0	0	0	0	0	1	100	428	7	0	0	0	100	428	14	3	46	34	17	440
D. poor	0										0						3	2	33	35	29	436
<b>How well do the questions that you have just been given on this MEA test match what you have learned in school about mathematics?</b>																						
A. The questions on the test match what I have learned in mathematics class.	67	4	40	1	10	4	40	1	10	450	67	40	10	40	10	450	35	19	56	19	7	450
B. They match some of what I have learned.	33	2	40	1	20	1	20	1	20	444	33	40	20	20	20	444	51	11	56	25	8	446
C. They match just a little of what I have learned.	0										0						10	5	43	31	21	440
D. There is no match.	0										0						4	3	26	33	37	434
<b>How hard was the mathematics part of this test?</b>																						
A. harder than my regular schoolwork	20	1	33	1	33	0	0	1	33	445	20	33	33	0	33	445	17	5	44	31	20	441
B. about the same as my regular schoolwork	60	5	56	0	0	4	44	0	0	452	60	56	0	44	0	452	62	13	57	23	7	448
C. easier than my regular schoolwork	20	0	0	1	33	1	33	1	33	437	20	0	33	33	33	437	21	18	53	19	10	449
<b>On average, how many minutes a day do you spend working on mathematics in class?</b>																						
A. less than 30 minutes	13	1	50	0	0	0	0	1	50	439	13	50	0	0	50	439	7	6	36	32	27	438
B. 30–45 minutes	0										0						25	7	52	28	12	444
C. 45–60 minutes	80	5	42	1	8	5	42	1	8	448	80	42	8	42	8	448	38	14	56	22	8	448
D. more than 60 minutes	7	0	0	1	100	0	0	0	0	460	7	0	100	0	0	460	30	18	56	19	7	449
<b>How often do you use calculators in mathematics class?</b>																						
A. almost every day	0										0						3	4	36	31	28	438
B. two or three days a week	0										0						12	13	51	26	10	446
C. two or three times each month	40	2	33	1	17	3	50	0	0	451	40	33	17	50	0	451	32	15	58	20	7	449
D. never or almost never	60	4	44	1	11	2	22	2	22	446	60	44	11	22	22	446	53	11	53	25	11	446
<b>How often do you use hands-on materials in mathematics class?</b>																						
A. almost every day	27	0	0	0	0	2	50	2	50	427	27	0	0	50	50	427	26	12	50	25	13	445
B. two or three days a week	33	2	40	2	40	1	20	0	0	454	33	40	40	20	0	454	32	14	57	21	7	448
C. two or three times each month	33	3	60	0	0	2	40	0	0	456	33	60	0	40	0	456	26	13	56	22	8	448
D. never or almost never	7	1	100	0	0	0	0	0	0	464	7	100	0	0	0	464	17	9	50	27	13	444
<b>Optional school/SAU question</b>																						
A.	0										0											
B.	0										0											
C.	0										0											
D.	0										0											

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